

CLAIM AMENDMENTS

1-8 (Canceled)

9. (New) A combined gas and electrostatic filter construction, which includes  
first electrodes,  
second electrodes, which are electrically insulated from the first electrodes, and  
an insulating material acting as a particle filter, which is located between the first and the second electrodes, whereby  
a difference in electrical potential between the electrodes can be created, in order to create an electrical field between the electrodes, characterized in that  
the material of at least one of the electrodes is a material, such as activated carbon, which is permeable to air and which filters gases, and which has a low electrical conductivity,  
both electrodes are set substantially parallel to the direction of the airflow, and  
the gas filtering electrode is shaped to form a bag.

10. (New) An electrostatic filter construction according to claim 9, characterized in that one electrode with low electrical conductivity is constructed like a bag and particle filtering is arranged inside it with the aid of the filter material and the electrodes.

11. (New) An electrostatic filter construction according to claim 9, characterized in that one of the electrodes has low electrical conductivity and the other is electrically conductive.

12. (New) An electrostatic filter construction according to claim 9, characterized in that one of the electrodes is connected to an earth potential and the other to a higher potential.

13. (New) An electrostatic filter construction according to claim 9, characterized in that one of the electrodes is allowed to float and the other is connected to an earth potential.

14. (New) An electrostatic filter construction according to claim 9, characterized in that the electrodes are arranged in such a way that at least most of the airflow is arranged to travel through the bag-like electrode.

15. (New) An electrostatic filter construction according to claim 9, characterized in that a charging section, which charges the particles to be filtered, is arranged before the filter in the path of the air flow.

16. (New) An electrostatic filter construction according to claim 9, characterized in that the filter material is arranged to be changeable.